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Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
1. Claims	Il search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: Nos.: e they relate to subject matter not required to be searched by this Authority, namely:
2. Claims because extent	Nos.: e they relate to parts of the international application that do not comply with the prescribed requirements to such an that no meaningful international search can be carried out, specifically:
3. Claims becaus	Nos.: e they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
"The sp novel sing Ltd.), 27 technical for examp 12 March, Industry	al Searching Authority found multiple inventions in this international application, as follows: ecial technical feature" of claims 1-3, 8-13, 18-20, 61-63 is not ce it is disclosed, for example, in document JP 2001-117125 A (Fujitsu April, 2001 (27.04.01), Fig. 4, [0070] (family: none). "The special feature" of claims 64, 65, 67 is not novel since it is disclosed, le, in documents JP 2003-75787 A (Communications Research Laboratory), 2003 (12.03.03), [0052] (family: none), and JP11-231361A (Oki Electric Co., Ltd.), 27 August, 1999 (27.08.99), [0035] (family: none). ued to extra sheet)
1. X As all	required additional search fees were timely paid by the applicant, this international search report covers all searchable
	. searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of ditional fee.
3. As onl	y some of the required additional search fees were timely paid by the applicant, this international search report covers nose claims for which fees were paid, specifically claims Nos.:
4. No rec	quired additional search fees were timely paid by the applicant. Consequently, this international search report is ted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Pr	The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

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Continuation of Box No.III of continuation of first sheet (2)

Between the inventions of claims 4-7, 14-17, 21-46 and the inventions of claims 47-60, 66, 68, 69, there is no technical relationship involving one or more of the same or corresponding special technical feature. Accordingly, these inventions are not so linked as to form a single general inventive concept.

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		101/012	0047017007			
A. CLASSIFICATION OF SUBJECT MATTER Int.Cl ⁷ G02F7/00, G02F3/00, G02F2/02						
According to Inte	ernational Patent Classification (IPC) or to both national	d classification and IPC				
B. FIELDS SE	ARCHED					
Minimum docum Int.Cl7	nentation searched (classification system followed by classification system followed by classification system followed by classification searched (classification system followed by classification system followed by class	assification symbols)				
Documentation s	earched other than minimum documentation to the exter	nt that such documents are included in the	fields searched			
Jitsuyo Shinan Koho 1922—1996 Toroku Jitsuyo Shinan Koho 1994—2004 Kokai Jitsuyo Shinan Koho 1971—2004 Jitsuyo Shinan Toroku Koho 1996—2004						
Electronic data b	base consulted during the international search (name of c	iata base and, where practicable, search te	rms used)			
		·				
C. DOCUMEN	NTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where ap		Relevant to claim No.			
X	JP 2001-117125 A (Fujitsu Ltd. 27 April, 2001 (27.04.01),	d.),	1-3,8 9,10,21-46,			
Y	Fig. 4; Par. No. [0070]		65,67			
	(Family: none)					
×	JP 2003-75787 A (Communication	ons Research	64			
Ŷ	Laboratory),		65,67			
	12 March, 2003 (12.03.03),	•				
	Par. No. [0052] (Family: none)					
	(ramity: none)	•				
x	JP 11-231361 A (Oki Electric	Industry Co.,	64			
Y	Ltd.), 27 August, 1999 (27.08.99),		65,67			
	Par. No. [0035]					
	(Family: none)	•				
		·				
	·		ì			
X Further do	ocuments are listed in the continuation of Box C.	See patent family annex.				
	* Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand					
to be of part	efining the general state of the art which is not considered ticular relevance	the principle or theory underlying the u	ivention			
"E" earlier appli	cation or patent but published on or after the international	"X" document of particular relevance; the c considered novel or cannot be considered.	laimed invention cannot be ered to involve an inventive			
"L" document v	which may throw doubts on priority claim(s) or which is ablish the publication date of another citation or other	step when the document is taken alone "Y" document of particular relevance: the c	laimed invention appeat be			
special reas	on (as specified)	considered to involve an inventive s	tep when the document is			
	eferring to an oral disclosure, use, exhibition or other means ublished prior to the international filing date but later than the	combined with one or more other such being obvious to a person skilled in the				
priority date		"&" document member of the same patent f	amily .			
Date of the actual completion of the international search Date of mailing of the international search report						
09 Feb:	ruary, 2005 (09.02.05)	01 March, 2005 (01.	03.05)			
	ng address of the ISA/	Authorized officer				
	se Patent Office					
Facsimile No.	Facsimile No. Telephone No.					
Form PCT/ISA/210 (second sheet) (January 2004)						

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		PCT/JP20	004/017007
). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relev	Relevant to claim No.	
X Y	JEONG JM. MARHIC ME, ALL-OPTICAL ANALOG- DIGITAL AND DIGITAL-TO-ANALOG CONVERSION IMPLEMENTED BY NONLINEAR FIBER INTERFERO METER, OPTICS COMMUNICATIONS, 01 July, 19 (01.07.92), Vol.91, pages 115 to 122	4-10,14-20, 47-69 21-46	
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